CONTRIBUTORS TO VOLUME XLVIII.

ABBE, ROBERT, M.D., of New York, N. Y., Surgeon to St. Luke's Hospital.

ALDEN, ELIOT, M.D., of Los Angeles, Cal., Instructor in Surgical Anatomy in the University of Southern California.

ALEXANDER, SAMUEL, M.D., of New York, N. Y., Professor of Clinical Surgery, Department of Diseases of the Urinary Organs, Cornell University Medical College; Attending Surgeon to the Bellevue Hospital.

ARMSTRONG, GEORGE E., M.D., of Montreal, Canada.

ASHHURST, ASTLEY PASTON COOPER, M.D., of Philadelphia, Pa., Surgeon to the Out-patient Department of the Episcopal Hospital.

BABLER, EDMUND A., M.D., of St. Louis, Mo., Associate Surgeon, St. Louis Skin and Cancer Hospital; Assistant in Surgery, Medical Department, Washington University, St. Louis.

BARTLETT, WILLARD, M.D., of St. Louis, Mo., Professor of Experimental Surgery in Washington University.

BASHAM, DAVID WALKER, M.D., of Wichita, Kansas.

BEAL, HOWARD W., M.D., of Worcester, Mass.

BERG, ALBERT ASHTON, M.D., of New York, N. Y., Adjunct Surgeon to Mount Sinai Hospital.

BINNIE, JOHN FAIRBAIRN, M.D., of Kansas City Mo., Professor of Surgery in the University of Kansas.

BLAKE, JOSEPH A., M.D., of New York, N. Y., Surgeon to Roosevelt and St. Luke's Hospital.

BRANHAM, JOSEPH H., M.D., of Baltimore, Md.

BREWER, GEORGE EMERSON, M.D., of New York, N. Y., Professor of Clinical Surgery in the College of Physicians and Surgeons; Surgeon to the Roosevelt Hospital.

BRINSMADE, WILLIAM BARRETT, M.D., of Brooklyn, N. Y., Surgeon to the Long Island College and St. John's Hospitals.

BRYANT, W. SOHIER, M.D., of New York, N. Y.

COBB, FARRAR, M.D., of Boston, Mass., Assistant Visiting Surgeon to the Massachusetts General Hospital.

COLEY, WILLIAM B., M.D., of New York, N. Y., Surgeon to the General Memorial Hospital; Associate Surgeon to the Hospital for Ruptured and Crippled.

DAVIS, LINCOLN, M.D., of Boston, Mass., Surgeon to Out-patients at the Massachusetts General Hospital.

DOWD, CHARLES N., M.D., of New York, N. Y., Attending Surgeon to the General Memorial Hospital and to St. Mary's Free Hospital for Children; Associate in Surgery, College of Physicians and Surgeons.

193505

EISENDRATH, DANIEL N., M.D., of Chicago, Ill.
EISING, EUGENE H., M.D., of New York, N. Y., Adjunct Surgeon, Lebanon Hospital; Assistant Adjunct Surgeon, Mount Sinai Hospital.
ELDER, J. M., M.D., of Montreal, Canada.

FLINT, CARLTON P., M.D., of New York, N. Y., Instructor in Surgery, College of Physicians and Surgeons of Columbia University; Assistant Attending Surgeon to the Roosevelt Hospital.
FOWLER, ROYALE HAMILTON, M.D., of New York, N. Y., Intern at St. Luke's Hospital.

GAGE, HOMER, M.D., of Worcester, Mass.
GARDNER, FAXTON E., M.D., of New York, N. Y.
GARROW, A. E., M.D., of Montreal, Canada, Assistant Surgeon to the Royal Victoria Hospital.
GILLETTE, WM. J., M.D., of Toledo, O., Professor of Abdominal and Clinical Surgery in the Toledo Medical College; Surgeon to Robinhood Hospital.
GOODRICH, CHARLES H., M.D., of Brooklyn, N. Y., Attending Surgeon to the Methodist Episcopal Hospital and to the Brooklyn Orphan Asylum.
GRAY, H. TYRRELL, M.C., (Cantab.), F.R.C.S. (Eng.), of London, England, Resident Medical Superintendent of Great Ormond Street Hospital for Sick Children.

HABHEGGER, C. J., M.D., of Watertown, Wis., Attending Surgeon, St. Mary's Hospital.
HAGNER, FRANCIS R., M.D., of Washington, D. C., Professor of Genito-urinary Surgery in the George Washington University.
HALPENNY, J., M.D., of Winnipeg, Manitoba, of the Physiological Laboratory, University of Manitoba.
HAMMOND, LEVI J., M.D., of Philadelphia, Pa., Surgeon to the Methodist Episcopal and Maternity Hospitals.
HARRIGAN, ANTHONY HART, M.D., of New York, N. Y., Assistant Surgeon to the Out-patient Department, Harlem Hospital, New York.
HARTWELL, JOHN A., M.D., of New York, N. Y., Surgeon to Lincoln Hospital; Assistant Surgeon to Bellevue Hospital.
HASBROUCK, EDWIN M., M.D., of Washington, D. C., Assistant Surgeon to Georgetown University Hospital.
HERZOG, MAXIMILIAN, M.D., of Chicago, Ill.
HOTCHKISS, LUCIUS W., M.D., of New York, N. Y., Surgeon to Bellevue and Junior Surgeon to Roosevelt Hospital; Associate in Clinical Surgery, College of Physicians and Surgeons.
HUBBARD, JOSHUA C., M.D., of Boston, Mass., Assistant in Surgery in the Harvard Medical School; Assistant Surgeon to the Boston City Hospital.
HUNTINGTON, THOMAS W., M.D., of San Francisco, Cal., Professor of Surgery in the University of California.

JOERG, WOLFGANG, of Brooklyn, N. Y.

JOHNSTON, GEORGE BEN, M.D., of Richmond, Va., Professor of Abdominal Surgery in the Medical College of Virginia.

JOPSON, JOHN H., M.D., of Philadelphia, Pa., Surgeon to the Children's and Presbyterian Hospitals.

KEENAN, C. B., M.D., of Montreal, Canada, Assistant Surgeon to the Royal Victoria Hospital.

LANGE, SIDNEY, M.D., of Cincinnati, O., Radiographer to the Cincinnati Hospital.

LEE, H. M., M.D., of New London, Conn.

LEE, W. ESTELL, M.D., of Philadelphia, Pa., Chief Resident Physician of the Pennsylvania Hospital.

LOBINGIER, ANDREW STEWART, M.D., of Los Angeles, Cal.

LUSK, WILLIAM C., M.D., of New York, N. Y., Assistant Visiting Surgeon to Bellevue and St. Vincent's Hospitals; Professor of Clinical Surgery at the New York University and Bellevue Hospital Medical College.

MACCLURE, THEODORE R., M.D., of Detroit, Michigan, Surgeon to Solvay General Hospital.

MACLAREN, ARCHIBALD, M.D., of St. Paul, Minn., Professor of Clinical Surgery in the University of Minnesota.

MASTIN, WILLIAM M., M.D., of Mobile, Ala.

MATHEWS, FRANK S., M.D., of New York, N. Y., Associate Surgeon to St. Mary's Free Hospital for Children; Assistant Surgeon to the General Memorial Hospital.

MAYO, CHARLES H., M.D., of Rochester, Minn.

MONKS, GEORGE H., M.D., of Boston, Mass., Surgeon to the Boston City Hospital.

MORRIS, ROBERT T., M.D., New York, N. Y., Professor of Surgery at the New York Post-graduate Medical School and Hospital.

MOSCHCOWITZ, ALEXIS V., M.D., of New York, N. Y., Adjunct Surgeon to Mount Sinai Hospital.

NEWELL, WILLIAM A., M.D., of Philadelphia, Pa., Resident Physician to the Episcopal Hospital.

NICHOLSON, CLARENCE M., M.D., of St. Louis, Mo., Professor of Practice of Surgery and Clinical Surgery, Medical Department, St. Louis University.

PATTERSON, FRANCIS DENISON, M.D., of Philadelphia, Pa., Surgeon to the Howard Hospital.

PILCHER, JAMES TAFT, M.D., of Brooklyn, N. Y.

PRICE, JOHN W., JR., M.D., of Louisville, Kentucky.

PRINGLE, J. HOGARTH, F.R.C.S., of Glasgow, Scotland, Lecturer on Surgery in Queen Margaret College; Surgeon to the Glasgow Royal Infirmary.

RANSOHOFF, JOSEPH LOUIS, M.D., F.R.C.S. (Eng.), of Cincinnati, Ohio, Professor of Surgery in the University of Cincinnati.

ROSS, GEORGE G., M.D., of Philadelphia, Pa., Assistant Surgeon to the German Hospital; Surgeon to the Germantown Hospital.

ROYSTER, HUBERT ASHLEY, M.D., of Raleigh, N. C., Professor of Gynæcology in the Medical Department, University of North Carolina; Surgeon-in-Chief, St. Agnes' Hospital.

SCHACHNER, AUGUST, M.D., of Louisville, Kentucky.

SCUDDER, CHARLES L., M.D., of Boston, Mass., Surgeon to the Massachusetts General Hospital; Lecturer on Surgery in the Harvard University Medical School.

SEELIG, M. G., of St. Louis, Mo., Associate Surgeon to the Jewish Hospital; Assistant Professor of Surgical Pathology in the Medical Department of St. Louis University.

SHELDON, JOHN G., M.D., of Kansas City, Mo.

SPEECE, JOHN, M.D., of Philadelphia, Pa., Assistant Demonstrator in Surgery, University of Pennsylvania.

STARR, F. N. G., M.B., of Toronto, Canada, Associate Professor of Clinical Surgery in the University of Toronto; Associate Surgeon to the Hospital for Sick Children; Assistant Surgeon to the Toronto General Hospital.

STETTEN, DEWITT, M.D., of New York, N. Y., Assistant Visiting Surgeon to the German Hospital.

STONE, HARVEY B., M.D., of Charlottesville, Va., Adjunct Professor of Surgery in the University of Virginia.

SWINBURNE, GEORGE KNOWLES, M.D., of New York, N. Y.

TAYLOR, ALFRED S., of New York, N. Y., Visiting Surgeon to Randall's Island Hospital; Assistant Instructor in Operative Surgery at the College of Physicians and Surgeons, New York.

TENNEY, BENJAMIN, M.D., of Boston, Mass., Surgeon to the Boston Dispensary; formerly Instructor in Anatomy in the Harvard Medical School.

TURCK, RAYMOND CUSTER, M.D., of Jacksonville, Fla.

VAN KAATHOVEN, J. J. A., M.D., of Philadelphia, Pa., Assistant Instructor in Surgery, Instructor in Anæsthesia at the University of Pennsylvania.

WAECHTER, ADOLPH, M.D., of New York, N. Y., Instructor in Surgery in the New York Post-graduate Medical School.

WAINWRIGHT, JONATHAN M., M.D., Surgeon-in-Chief of the Moses Taylor Hospitals, Scranton, Pa., and Buffalo, N. Y.

WARREN, J. COLLINS, M.D., of Boston, Mass.

WHITE, C. Y., M.D., Pathologist to the Children's and Episcopal Hospitals, Philadelphia, Pa.

WIENER, JOSEPH, M.D., of New York, N. Y., Adjunct Surgeon to Mt. Sinai Hospital.

WILLIS, MURAT, M.D., of Richmond, Va., Adjunct Professor of Abdominal Surgery in the Medical College of Virginia; Junior Surgeon to Memorial Hospital.

WILSON, CUNNINGHAM, M.D., of Birmingham, Ala.

WOOD, FRANCIS CARTER, M.D., of New York, N. Y., Professor of Clinical Pathology in the College of Physicians and Surgeons.